

Attorney Docket No. B45313

#2

INTERNATIONAL APP. NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/EP03/008568	31 July 2003	02 August 2002

## TITLE OF INVENTION

VACCINE COMPOSITIONS COMPRISING L2 AND/OR L3 IMMUNOTYPE  
LIPOOLIGOSACCHARIDES FROM LGTB- NEISSERIA MINIGITIDIS

## APPLICANT(S) FOR DO/US

Ralph BIEMANS, Philippe DENOEL, Christiane FERON, Carine GORAJ, Jan POOLMAN,  
Vincent WEYNANTSFILING OF AN INFORMATION DISCLOSURE STATEMENT

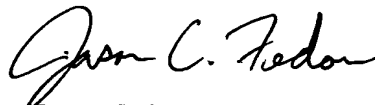
Applicants request that the references identified on Form PTO-1449 appended hereto be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR 1.97

☒ [X] A copy of the International Search Report, which issued on International Application No. PCT/EP03/008568 is submitted herewith. All of the publications cited in the International Search Report are listed on the attached form PTO-1449 and Applicants understand that copies have been supplied to the U.S. Patent Office by the International Bureau.

☐ [ ] Copies of references not listed on the International Search Report are enclosed.

The attached list of citations on PTO Form 1449 is being submitted under the provisions of 37 CFR §1.56 and §1.97 in order to comply with the duty of disclosure. Their inclusion herein should not, however, be construed as an admission that any particular cited reference is effective prior art or that it discloses or renders obvious any aspect of the claimed invention. This statement is being filed within the time period specified in 37 CFR §1.97(b). No fee is required.

Respectfully submitted,

Jason Fedon  
Agent for Applicants  
Registration No. 48,138GLAXOSMITHKLINE  
Corporate Intellectual Property - UW2220  
P.O. Box 1539  
King of Prussia, PA 19406-0939  
Phone (610) 270-6316  
Facsimile (610) 270-5090  
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Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. B45313	INTERNATIONAL APPLICATION NO. PCT/EP03/008568
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		APPLICANT Biemans et al.	
		FILING DATE Herewith	GROUP Not Yet Assigned

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	6,531,131	3/11/03	Gu Xin-Xing et al.			

## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No
WO 01/09350	2/8/01	PCT				
WO 94/08021	4/14/94	PCT				
0 941 738	9/15/99	EP				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Jennings et al., "Molecular Analysis of a Locus for the Biosynthesis and Phase-Variable Expression of the Lacto-N-Neotetraose Terminal Lipopolysaccharide Structure in <i>Neisseria Meningitidis</i> ". <i>Molecular Microbiology</i> , <u>18</u> (4): 729-740 (1995).
	Verheul et al., "Preparation, Characterization, and Immunogenicity of Meningococcal Immunity L2 and L3, 7, 9 Phosphoethanolamine Group-Containing Oligosaccharide-Protein Conjugates". <i>Infection &amp; Immunity</i> , <u>59</u> (3): 843-851 (1991).
	Gao Lihui Hu Xujing et al., "Study on the LOS Antigenicity of 2 Candidate Strains for Meningococcal Vaccine of Serogroup B". <i>Biosis</i> , <u>XP002133714</u> (Abstract).
	Wakarchuk et al., "Functional Relationships of the Genetic Locus Encoding the Glycosyltransferase Enzymes Involved in Expression of the Lacto-N-Neotetraose Terminal Lipopolysaccharide Structure in <i>Neisseria Meningitidis</i> ". <i>J. Biol. Chem.</i> , <u>271</u> (32): 19166-19173 (1996).
	Quakyi et al., "Modulation of the Biological Activities of Meningococcal Endotoxins by Association with Outer Membrane Proteins is not Inevitably Linked to Toxicity". <i>Infection &amp; Immunity</i> , <u>65</u> (5): 1972-1979 (1997).
	Gu et al., "Preparation, Characterization, and Immunogenicity of Meningococcal Lipooligosaccharide-Derived Oligosaccharide-Protein Conjugates". <i>Infection &amp; Immunity</i> , <u>61</u> (5): 1873-1880 (1993).
	Zakirov et al., "Immunological Activity of <i>Neisseria Meningitidis</i> Lipooligosaccharide Incorporated into Liposomes". <i>Zhurnal Mikrobiologii Epidemiologii I Immunobiologii</i> , <u>0</u> (1): 49-53 (1995).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	